

CLAIMS

1. A magnetic sensor comprising:
 - a pair of magnetic detecting elements connected in series with each other, one of which serves as a sensing portion made to face a magnetic detecting medium, and the other serves as a temperature-compensating portion that is not affected by magnetism of said magnetic detecting medium;
 - 10 a magnet that gives magnetic biases to said pair of magnetic detecting elements; and
 - 15 a detection circuit that applies DC voltage to between both ends of said pair of serially-connected magnetic detecting elements and detects a potential change of a common connection point of said magnetic detecting elements.
- 15 2. A magnetic sensor comprising:
 - first and second fixed resistors connected in parallel with an output line of DC power source;
 - 20 a first magnetic detecting element connected in series with said first fixed resistor to function as a sensing portion made to face a magnetic detecting medium;
 - 25 a second magnetic detecting element connected in series with said second fixed resistor to function as a temperature-compensating portion that is not affected by magnetism of said magnetic detecting medium;
 - 30 a magnet that gives magnetic biases to said first and second magnetic detecting elements; and
 - a detection circuit that detects a potential change between a connection point of said first fixed resistor and said first magnetic detecting element and that of said second fixed resistor and said second magnetic detecting element.